



BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work

**Name Of Work:- Construction of C C Roads and Drains in
Janatha Colony in Ward No.17 (SCP Works)**

Estimated Cost

Rs :- 75.00 Lakh

JOB Code :-

P - 3726

**Office of the
Executive Engineer
Dasarahalli Division
BRUHAT BANGALORE MAHANAGARA PALIKE
Bangalore**

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Name Of Work:- Construction of C C Roads and Drains in Janatha Colony in Ward No.17 (SCP Works)

EST Cost 75.00 Lakhs

JOB Code :-									
Sl No	Description	Unit	No	Length	Width	Depth	Qty	Rate	Amount
1	Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02m ³ in volume and stock piling at designated locations and disposal of dismantled materials and stacking serviceable and unserviceable materials separately (PWD, CSR 2021-22. Vol -3, Pg No-10, I. No-2.19)								
	1st cross Entrance	Cum	1	60.00	3.00	0.30	54.00		
	1st main		1	113.00	3.85	0.30	130.52		
	6th cross		1	46.00	3.00	0.30	41.40		
	6th Sub Cross road		2	94.65	4.00	0.30	227.16		
	Cross road---						453.08	464.20	210318.00
	Basic Rate	422.00							
	Add 10% Area weightage	42.20							
	Total	464.20							
2	Earth work excavation by manual means for drains, canals and similar works in all kinds of soils, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, re- removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenances required to complete the work. In all kinds of soils Depth upto 1.5 m (PWD, CSR 2021-22. Vol -1, Pg No-5, I. No-1.4.1)								
	For Drain Desilting		1	60.00	0.40	0.30	7.20		
	1st cross Entrance		1	113.00	0.45	0.30	15.26		
	1st main		1	46.00	0.45	0.30	6.21		
	6th cross		1	80.00	0.45	0.30	10.80		
	6th Sub Cross road		1	20.00	0.45	0.30	2.70		
	5th cross		1	136.00	0.45	0.30	18.36		
	1st Cross		2	94.65	0.45	0.30	25.56		
	Cross road---						44.55		
	For New Drain Work	Cum	1	55.00	0.90	0.90			
	6th cross						54.00		
	C.C Road	Cum	1	60.00	3.00	0.30	130.52		
	1st cross Entrance WO882		1	113.00	3.85	0.30	41.40		
	1st main-W1041		1	46.00	3.00	0.30	48.00		
	6th cross WO870		1	80.00	2.00	0.30	22.50		
	6th Sub Cross road W1037		1	20.00	3.75	0.30	171.36		
	5th cross-WO 874		1	136.00	4.20	0.30	227.16		
	1st Cross W1035		2	94.65	4.00	0.30	825.57	204.60	168911.00
	Cross road---								
	Basic Rate	186.00							
	Add 10% Area weightage	18.60							
	Total	204.60							
	Loading and Unloading of Stone Boulder/ Stone aggregates/Sand/Kankar/Moorum. (Tipper 10 m ³) complete as per directions of Engineer-in-charge. (PWD, CSR 2021-22. Vol -3, Pg No-3, I. No-1.1)								
		Cum					1278.64		
							1278.64	91.30	116740.00
	Basic Rate	83.00							
	Add 10% A.W	8.30							
	Total	91.30							

SI No	Description	Unit	No	Length	Width	Depth	Qty	Rate	Amount
	Cost of Haulage Excluding Loading and Unloading Case-1 : Surfaced Road (Taking output 10 tonnes load and lead 10 km = 100 t.km) complete as per directions of Engineer-in-charge.(PWD,CSR 2021-22. Vol -3, Pg No-3, I. No-1.4A)								
	10 Km X 1.28t of item No 3	T/km	1	10.00	1278.64	1.28	16366.60		
	Basic Rate	12.00							
	Add 10% A.W	1.20					16366.60	13.20	216039.00
	Total	13.20							
5	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate machine mixed, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) Mix 1:4:8(M5) Using 40 mm and down size graded crushed coarse aggregates (PWD,CSR 2021-22. Vol -1, Pg No-15, I. No-2.1.2)								
	6th cross	Cum	1	55.00	0.90	0.15	7.43		
	Basic Rate	5206.00					7.43	5726.60	42520.00
	Add 10% Area weightage	520.60							
	Total	5726.60							
6	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necessary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately)M20 Design Mix Using 20 mm and down size graded crushed coarse aggregates (PWD,CSR 2021-22. Vol -1, Pg No-17, I. No-2.4.2)								
	Drain Btm	Cum	1	55.00	0.90	0.15	7.43		
	Walls		2	55.00	0.15	0.60	9.90		
	Basic Rate	5968.00					17.33	6564.80	113735.00
	Add 10% Area weightage	596.80							
	Total	6564.80							
7	Appendix I – Additionalities for Formwork, Centering & Scaffolding 2.Foundation, Sub structure of Cross drainages 5% (PWD,CSR 2021-22. Vol -1, Pg No-115, I. No-2)								
	Basic Rate	5968.00	Qty Vide Item no 3				17.33	328.24	5687.00
	Formwork, Centering & Scaffolding 5%	298.40							
	Add 10% Area weightage	29.84							
	Total	328.24	Cum						
8	Supplying, Fitting and Placing TMT Fe 500 & above Reinforcement in Foundation/Substructure/Superstructure complete as per Drawing and Technical Specifications.(PWD,CSR 2021-22. Vol -3, Pg No-71, I. No-9.3)								
	T.M.T steel for reinforcement (45Kg/Cum)	MT	1	17.33	45.00		779.63		
				tonne	779.63 /1000=		0.48		
	Basic Rate	71684.00					0.48	78852.40	38017.00
	Add 10% Area weightage	7168.40							
	Total	78852.40							

Sl No	Description	Unit	No	Length	Width	Depth	Qty	Rate	Amount
9	Providing and laying 100mm thick pre-cast cover slabs over Rain water harvesting pit of width not exceeding 1000 mm using M20 concrete reinforced with TMT bars Fe 500 @ 6kg/m ² , slabs jointed in CM 1:3 proportion and nicely finished Including providing holes in the Cover slabs wherever necessary for easy drainage of surface water including: of labour, materials, scaffolding, usage of machinery, curing, lead and lift charges etc, Complete.								
	For other Cross Roads	Sqm	1	270.31	0.60		162.19		
	Data Rate	1114.00					162.19	1225.40	198745.00
	Add 10% Area weightage	111.40							
	Total	1225.40							

10	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub- base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density(PWD,CSR 2021-22. Vol -3, Pg No-24, I. No-4.27)								
	1st cross Entrance WO882		1	60.00	3.00	0.15	27.00		
	1st main-W1041	Cum	1	113.00	3.85	0.15	65.26		
	6th cross WO870		1	46.00	3.00	0.15	20.70		
	6th Sub Cross road W1037		1	80.00	2.00	0.15	24.00		
	5th cross-WO 874		1	20.00	3.75	0.15	11.25		
	1st Cross W1035		1	136.00	4.20	0.15	85.68		
	Cross road---		2	94.65	4.00	0.15	113.58		
	Basic Rate	2394.00					347.47	2633.40	915021.00
	Add 10% Area weightage	239.40							
	Total	2633.40							

11	Dry Lean Cement Concrete Sub- base Construction of dry lean cement concrete Sub-base over a prepared sub-grade with coarse and fine aggregate conforming to IS: 383, the size of coarse aggregate not exceeding 25 mm, aggregate cement ratio not to exceed 15:1, aggregate gradation after blending to be as per table 600-1, cement content not to be less than 150 kg/ m ³ , optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 t vibratory roller, finishing and curing. (PWD,CSR 2021-22. Vol -3, Pg No-46, I. No-6.1)								
	1st cross Entrance WO882		1	60.00	3.00	0.15	27.00		
	1st main-W1041		1	113.00	3.85	0.15	65.26		
	6th cross WO870		1	46.00	3.00	0.15	20.70		
	6th Sub Cross road W1037		1	80.00	2.00	0.15	24.00		
	5th cross-WO 874		1	20.00	3.75	0.15	11.25		
	1st Cross W1035		1	136.00	4.20	0.15	85.68		
	Cross road---		2	94.65	4.00	0.15	113.58		
	Basic Rate	4025.00					347.47	4427.50	1538412.00
	Add 10% Area weightage	402.50							
	Total	4427.50							

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Sl No	Description	Unit	No	Length	Width	Depth	Qty	Rate	Amount
8	Cement concrete pavement Providing and constructing un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base, with 43 grade cement or any other type as per Clause 1501.2.2 M30 (Grade), coarse and fine aggregates conforming to IS:383, maximum size of coarse aggregate not exceeding 25 mm, mixed in a concrete mixer of not less than 0.2 cum capacity and appropriate weigh batcher using approved mix design, laid in approved fixed side formwork (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the formwork as per drawing), spreading the concrete with shovels, rakes, compacted using needle, screed and plate vibrators and finished in continuous operation including construction joints, primer, sealant, curing of concrete slabs for 14-days, and water finishing to lines and grade as per drawing and technical specification clause 1501 with all lead, lifts, loading & unloading charges, cost and conveyance of all materials, labour, equipments etc., complete. as per the directions of the Engineer-in-charge of the work. (PWD, CSR 2021-22. Vol -3, Pg No-138, I. No-20.29)								
	1st cross Entrance WO882	Cum	1	60.00	3.00	0.15	27.00		
	1st main-W1041		1	113.00	3.85	0.15	65.26		
	6th cross WO870		1	46.00	3.00	0.15	20.70		
	6th Sub Cross road W1037		1	80.00	2.00	0.15	24.00		
	5th cross-WO 874		1	20.00	3.75	0.15	11.25		
	1st Cross W1035		1	136.00	4.20	0.15	85.68		
	Cross road---		2	94.65	4.00	0.15	113.58		
	Basic Rate	6512.00					347.47	7163.20	2488979.00
	Add 10% Area weightage	651.20							
	Total	7163.20							
	SUB TOTAL							6053124.00	
	Add Tender Premium charges @ 5%							302656.20	
	GST 18%							1144040.44	
	Micellaneous and rounding off							179.36	
	TOTAL							7500000.00	

ದೃಢೀಕರಣ

- ಸದರಿ ಅಂದಾಜು ಪಟ್ಟಿಯಲ್ಲಿ ಪ್ರಸ್ತಾಪಿಸಿರುವ ರಸ್ತೆಗಳ ಅಭಿವೃದ್ಧಿ ಈ ಹಿಂದೆ ಯಾವುದೇ ಅಮದಾನದಲ್ಲಿ ಪ್ರಸ್ತಾಪಿಸಿರುವುದಿಲ್ಲ. ಹಾಗೂ ಮುನ್ಸೂಚನೆಯಾಗಿರುವುದಿಲ್ಲ ಎಂದು ದೃಢೀಕರಿಸಿದೆ.
- ಸದರಿ ಪ್ರಸ್ತಾಪಿಸಿರುವ ರಸ್ತೆಗಳು DLP ಅವಧಿಯಲ್ಲಿರುವ ರಸ್ತೆಗಳಲ್ಲಿ ಸೇರಿರುವುದಿಲ್ಲ.
- ಅಂದಾಜು ಪಟ್ಟಿಯನ್ನು ಪಿ.ಡಬ್ಲ್ಯು.ಡಿ ಎಸ್.ಆರ್-2021-22ನೇ ಸಾಲಿನ ದರಗಳನ್ವಯ ತಯಾರಿಸಲಾಗಿದೆ ಹಾಗೂ Approved Data Rate ಅನ್ವಯ ತಯಾರಿಸಲಾಗಿದೆ.
- ಸದರಿ ಕಾಮಗಾರಿಯಲ್ಲಿ ಪ್ರಸ್ತಾಪಿಸಿರುವ ರಸ್ತೆಗಳ ಅಭಿವೃದ್ಧಿಯು ತುಂಬಾ ಅವಶ್ಯಕವಾಗಿರುತ್ತದೆ.
- ಎಲ್ಲಾ ರಸ್ತೆಗಳು ಬಿಬಿಎಂಪಿಯ ಸರಹದ್ದಿನಲ್ಲಿರುತ್ತದೆ.

Assistant Engineer
Ward No 17

Assistant Executive Engineer
Shetty Halli Sub Division

Executive Engineer
Dasarahalli Division

ADMINISTRATIVELY SANCTIONED FOR Rs. 75,00,000/-
(Rupees) Seventy Five Lakhs Only
Under the Head of Accounts P-3726.
Page 4 of 4
No. EE/DO/A3/33/22-23 18/11/22
EXCISE
(DASARAHALLI BEMP)

Technically Sanctioned for Rs. 75,00 Lakhs
Rs. In words Seventy Five Lakhs Only
Under P.O. No. 2022-23 P-3726
Job Code No. 24/22-23
Registered as CE No. 24/22-23
No. C.E./22/TS/24/22-23
AE/JE: JATV